

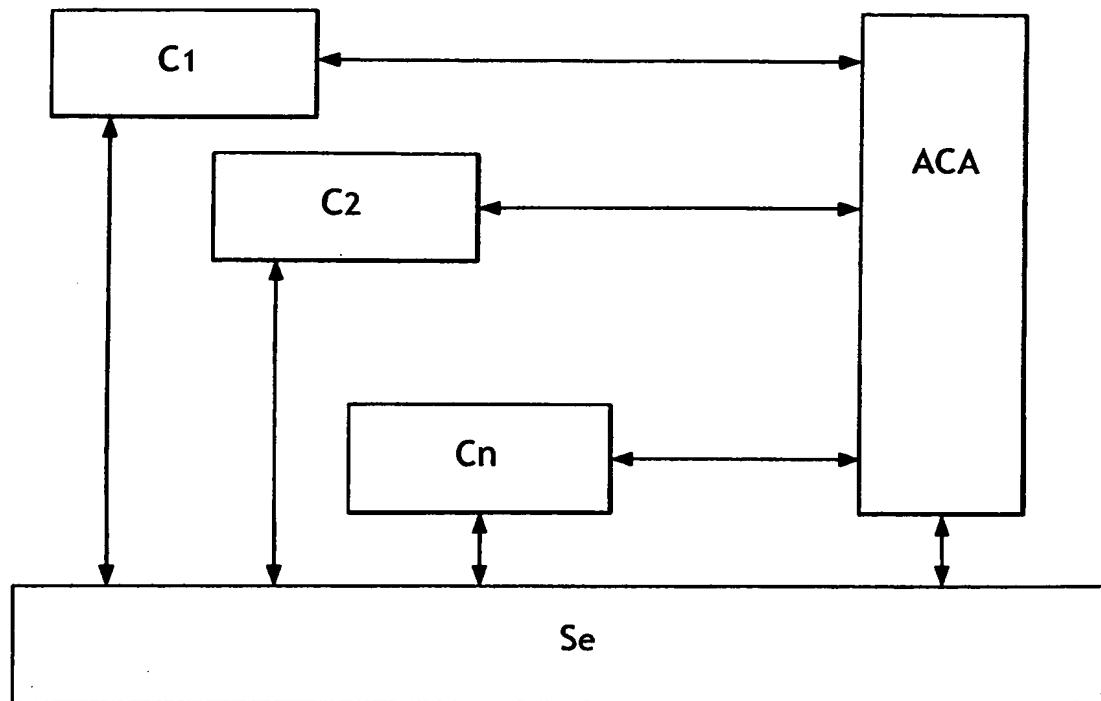
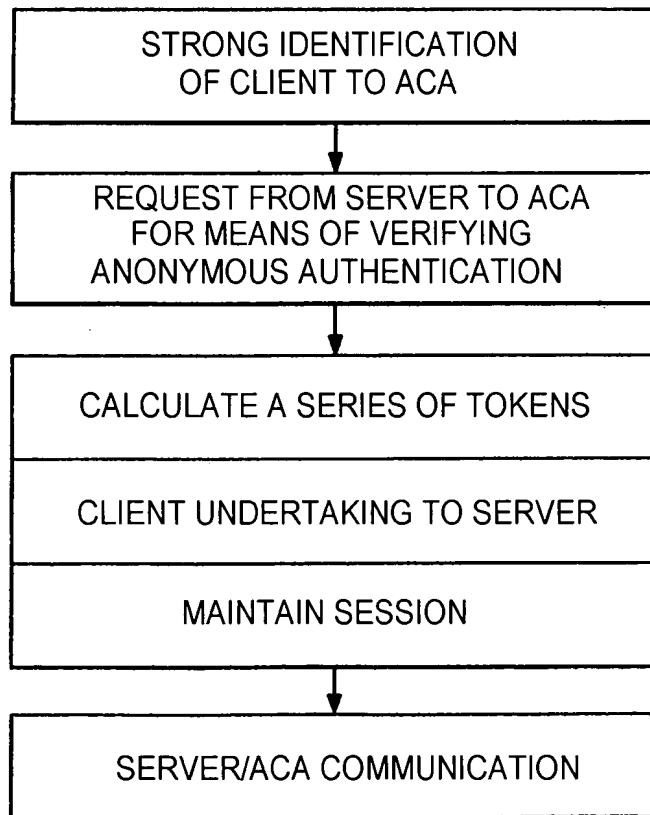
FIG.1FIG.2

FIG.3

Initialization token-signing and session-opening protocol

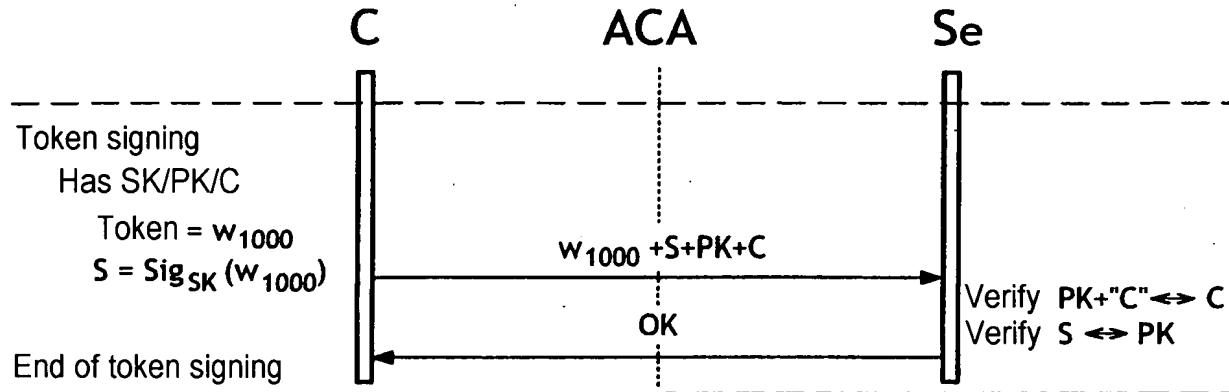


FIG.4

Anonymous certificate

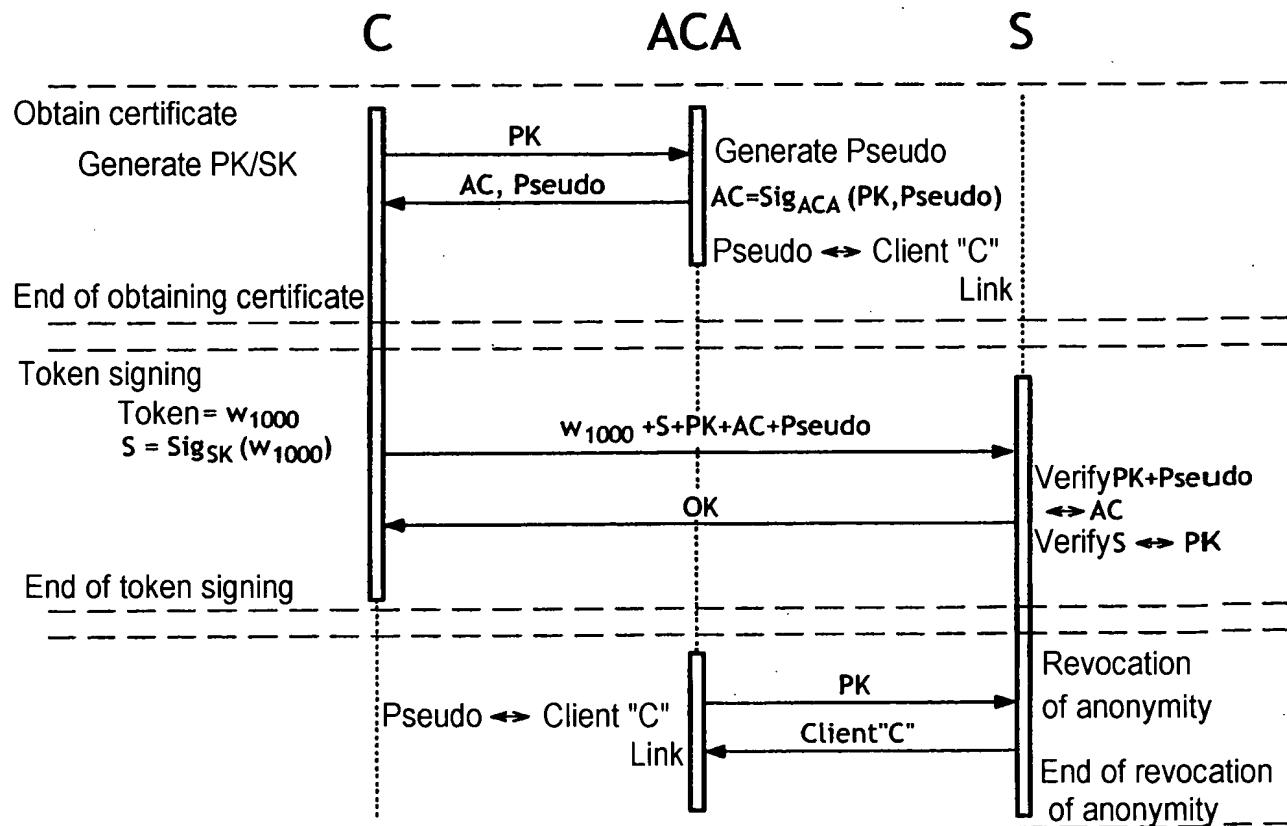


FIG.5

Blind signature with revocable anonymity

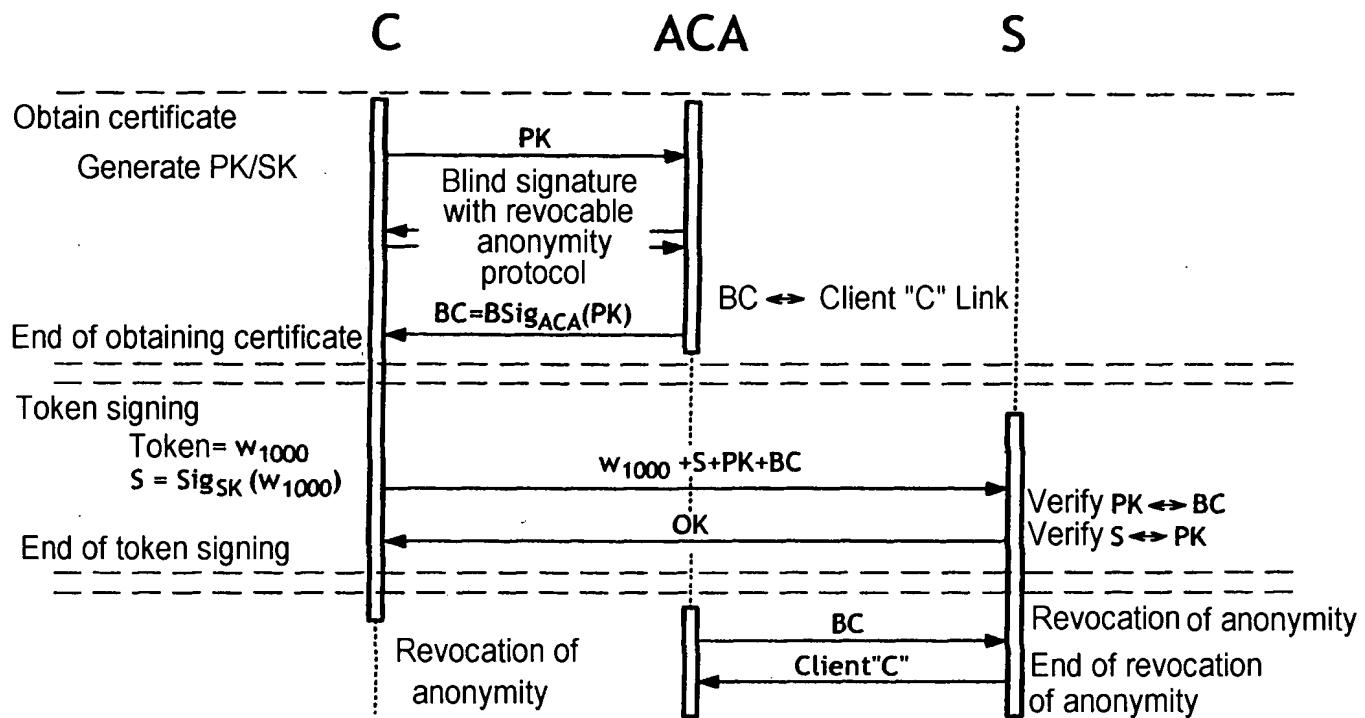


FIG.6

Group signature

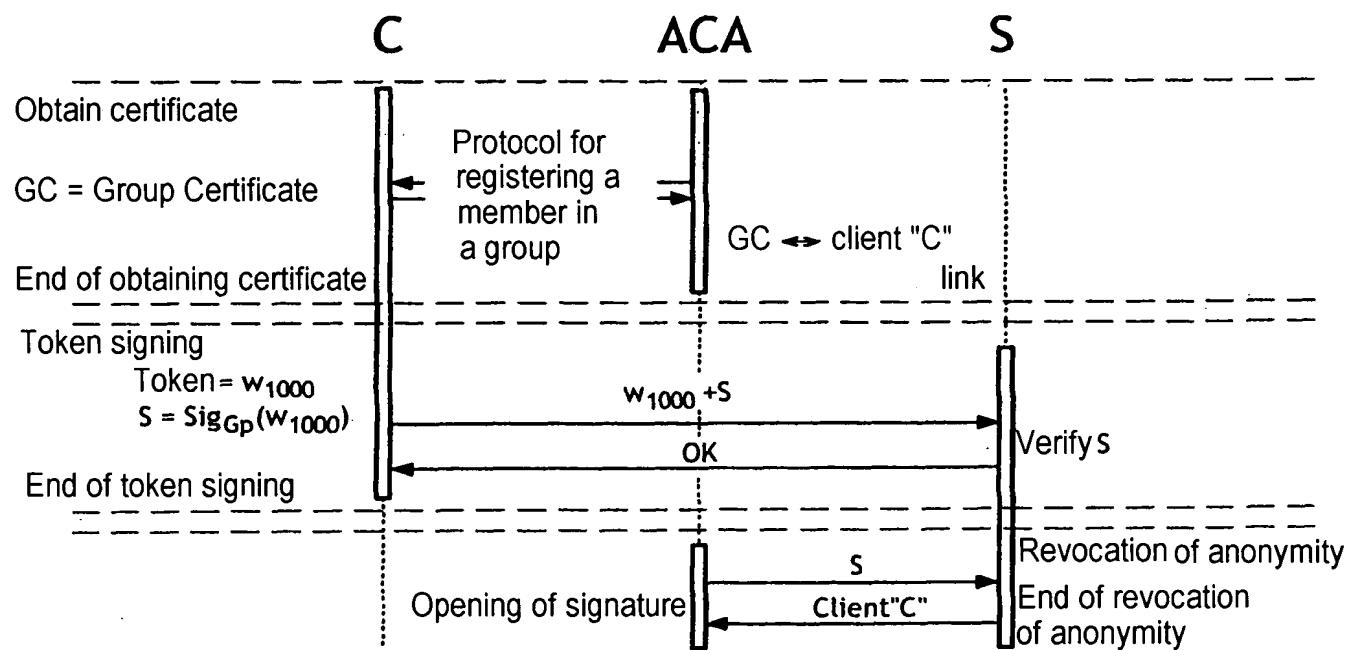


FIG.7

Server S: initialization				
Client C1		Client C2		Bid
Token	Value	Token	Value	Starting bid
W1000	signature	X 1000	signature	1000

Instruction 1: Client 1 bid				
Client C1		Client C2		Bid
Token	Value	Token	Value	Current bid
W999	100	X 1000	0	1100

Instruction 2: Client 1 bid				
Client C1		Client C2		Bid
Token	Value	Token	Value	Current bid
W999	100	X 997	3*100	1300

Instruction 3: Client 1 bid				
Client C1		Client C2		Bid
Token	Value	Token	Value	Current bid
W996	4*100	X 997	3*100	1400

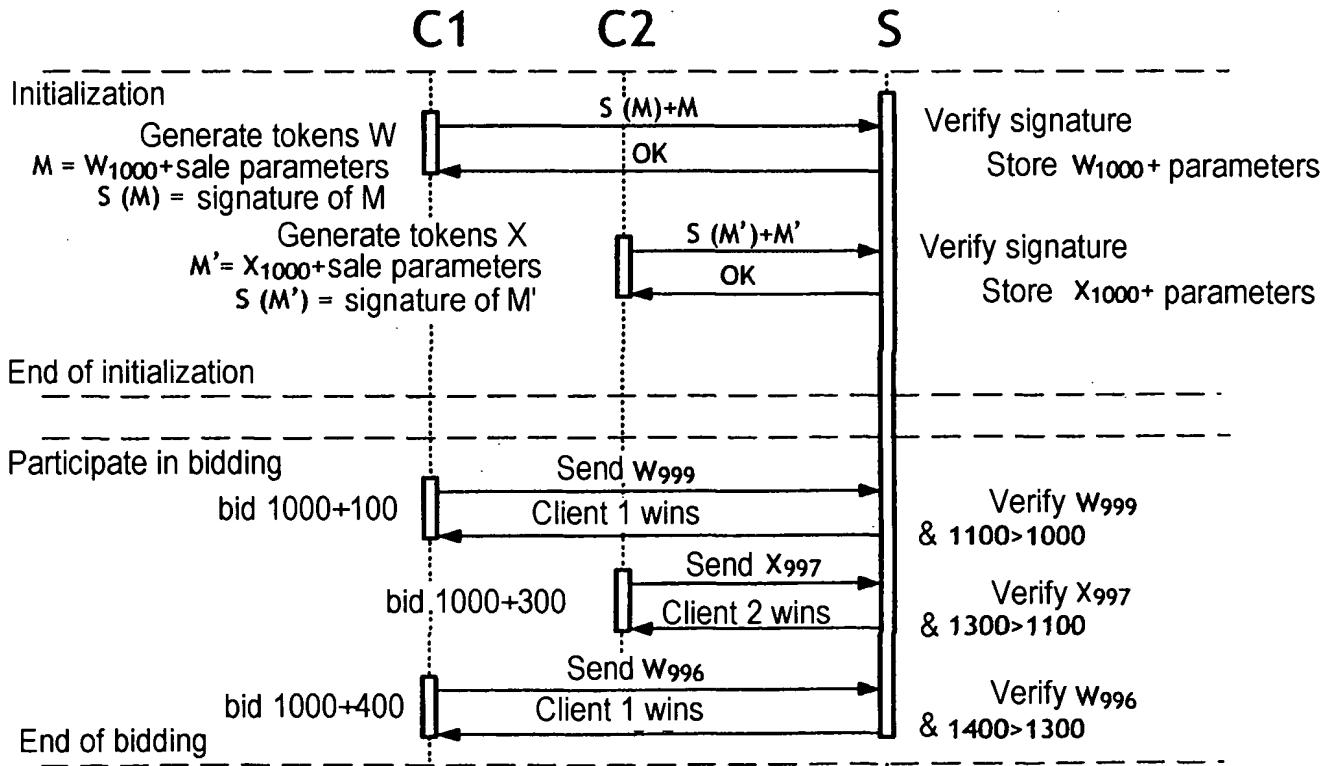


FIG.8

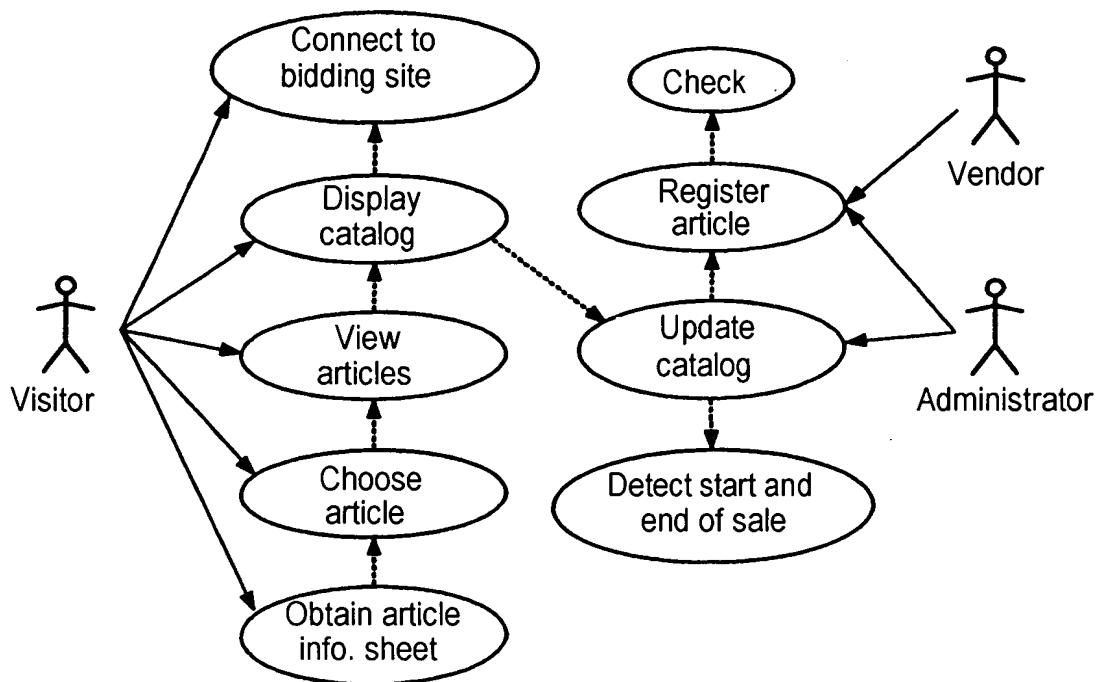


FIG.9

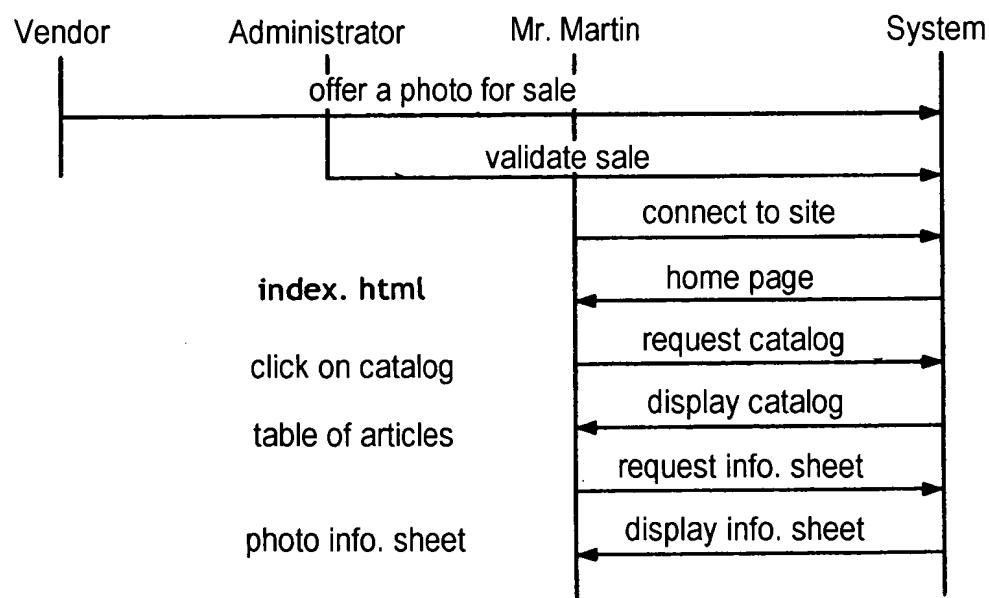


FIG.10

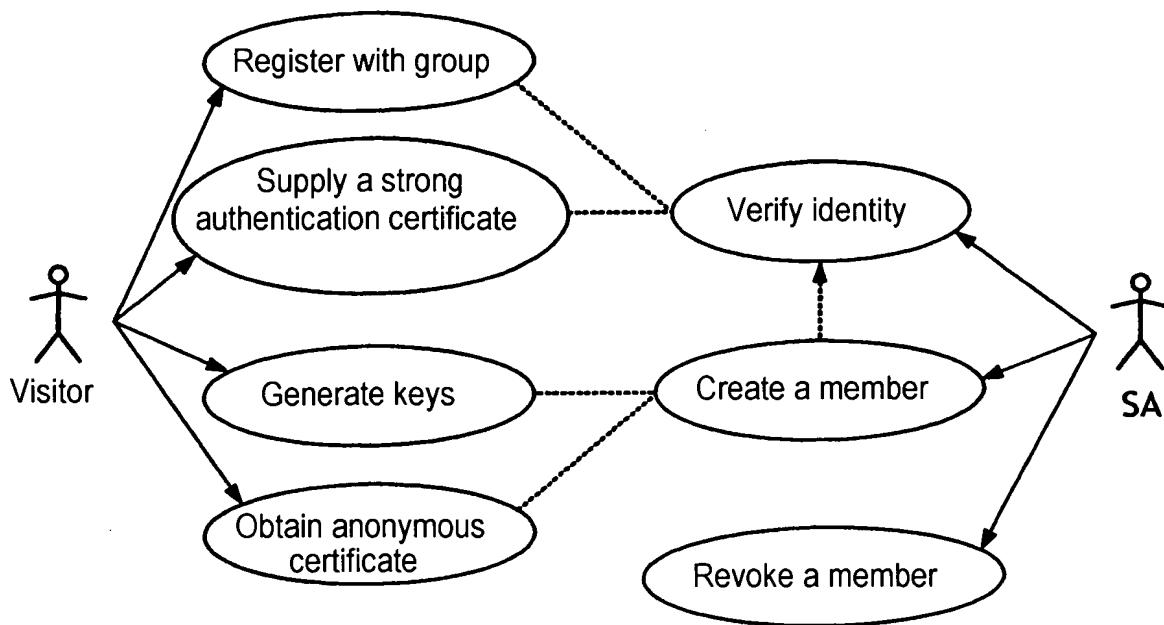


FIG.11

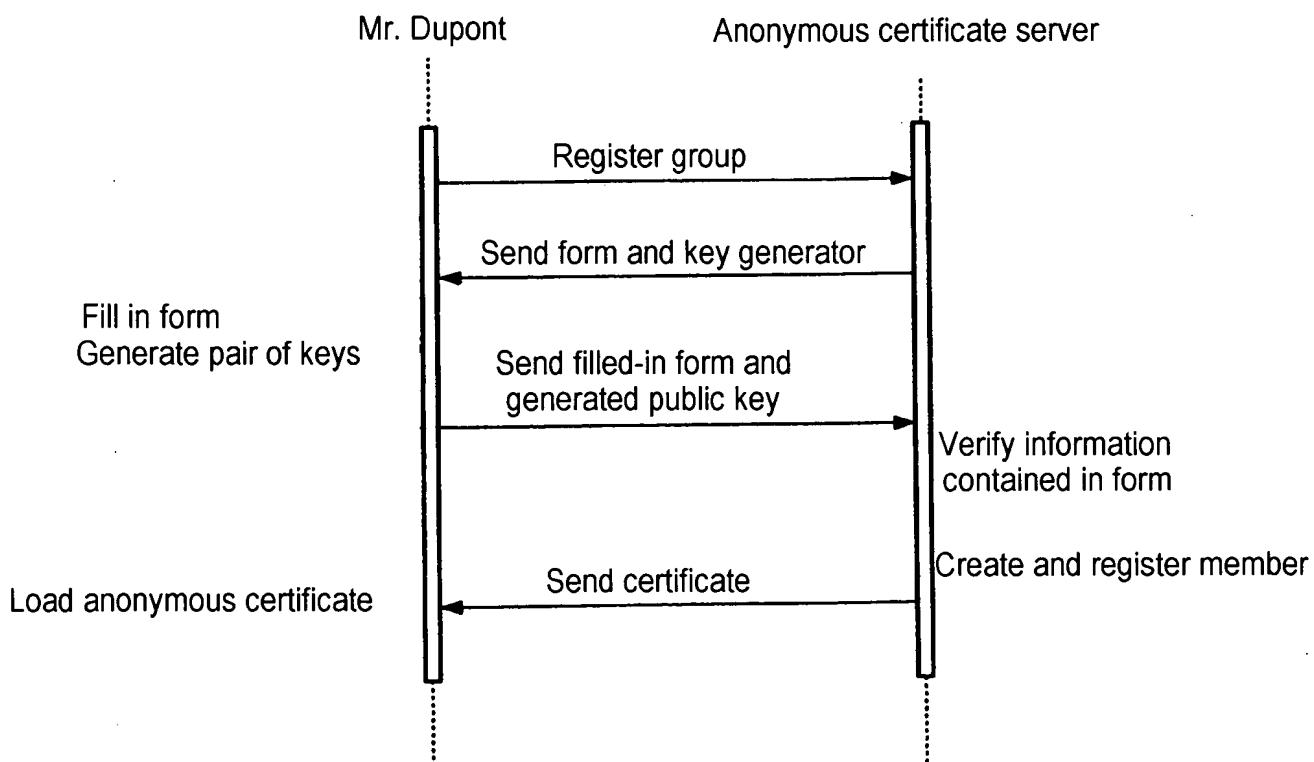


FIG.12

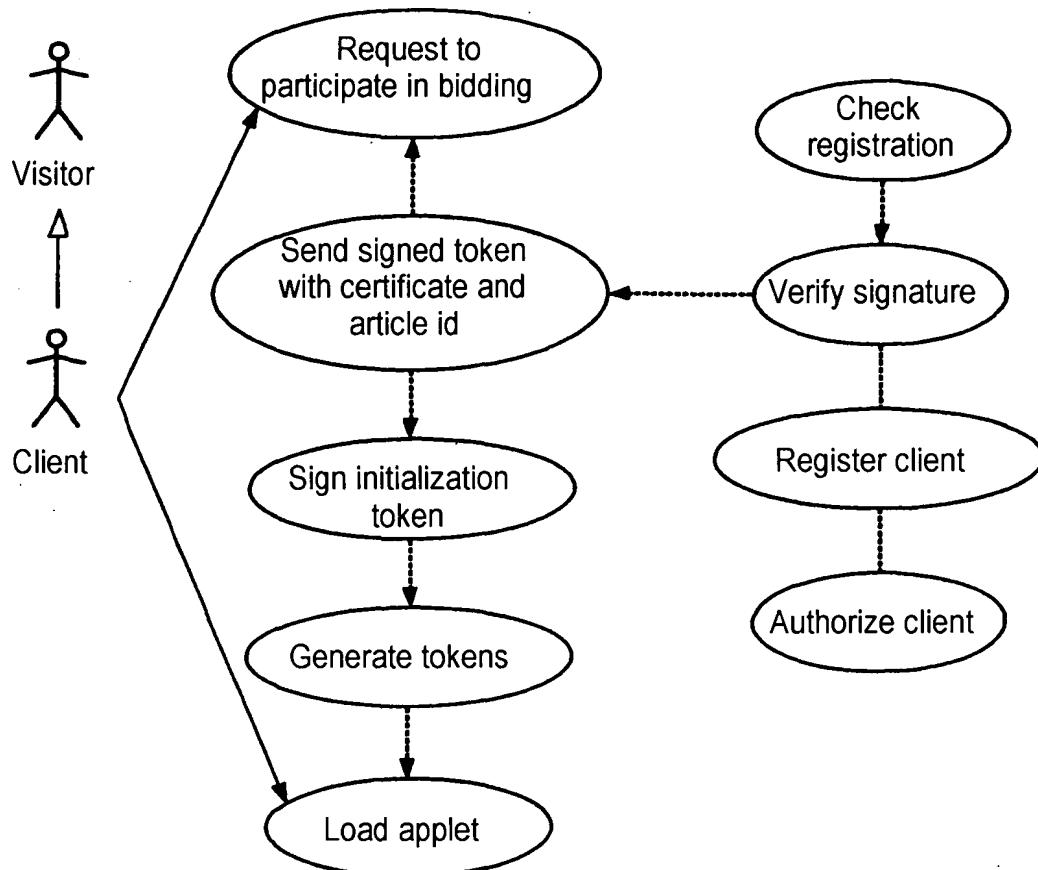
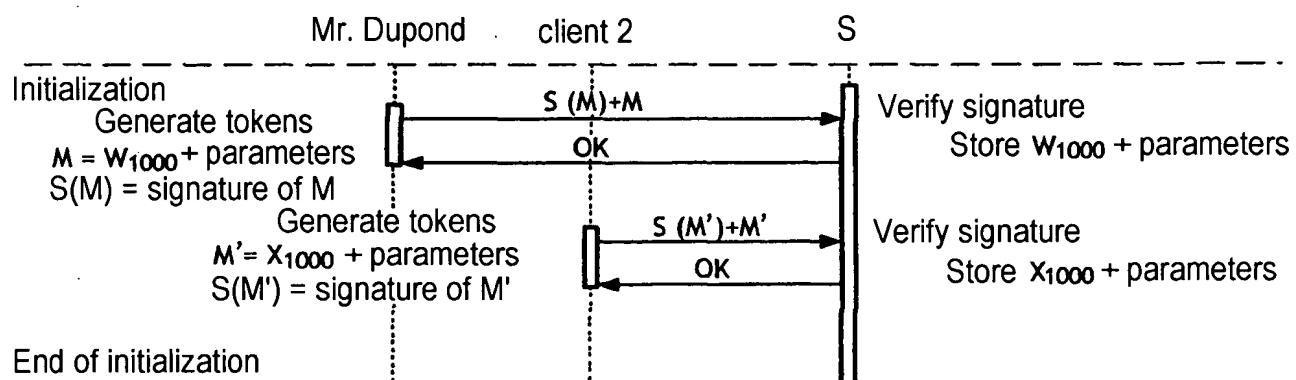


FIG.13



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FIG.14

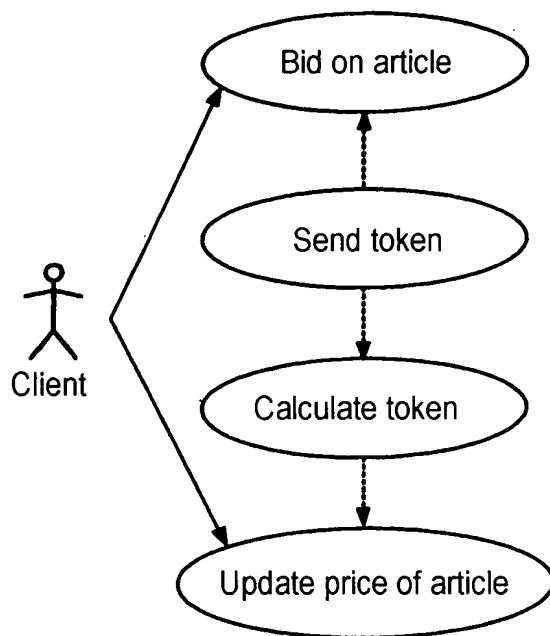


FIG.15

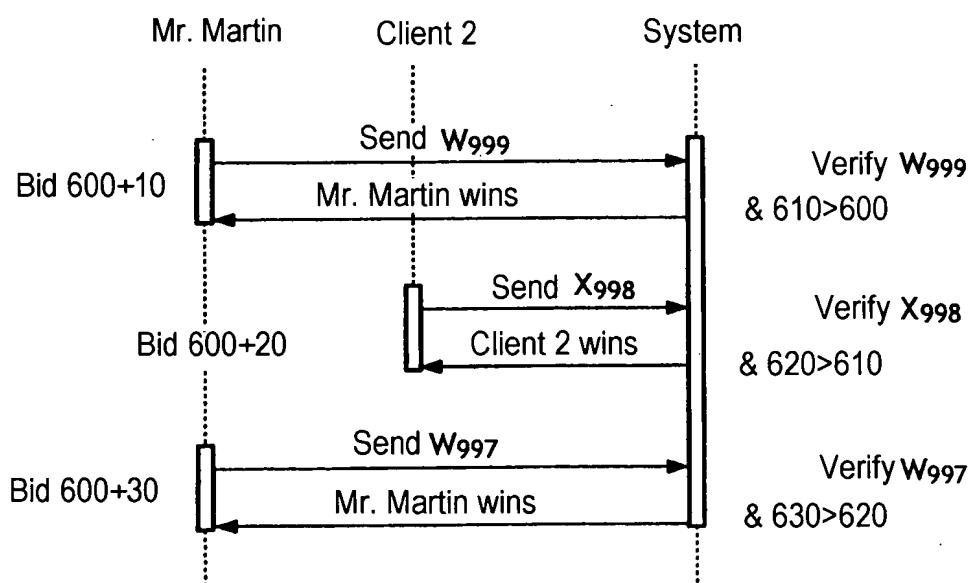


FIG.16

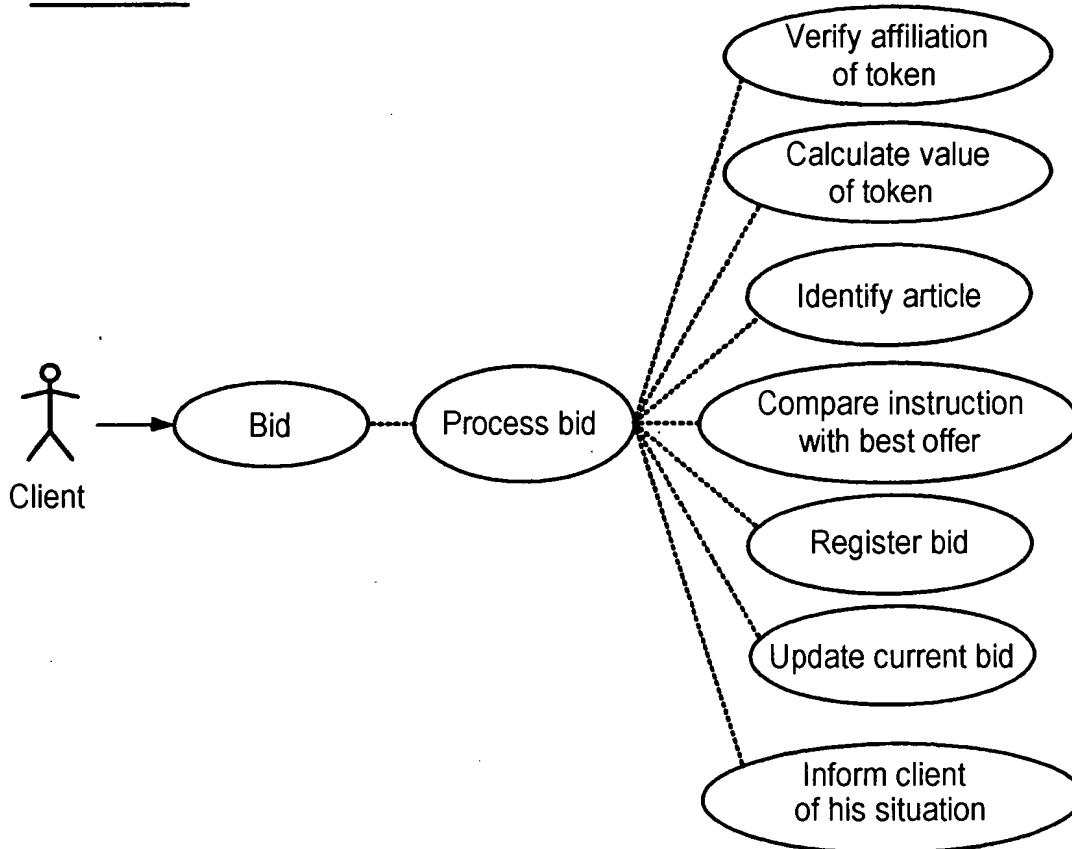


FIG.17

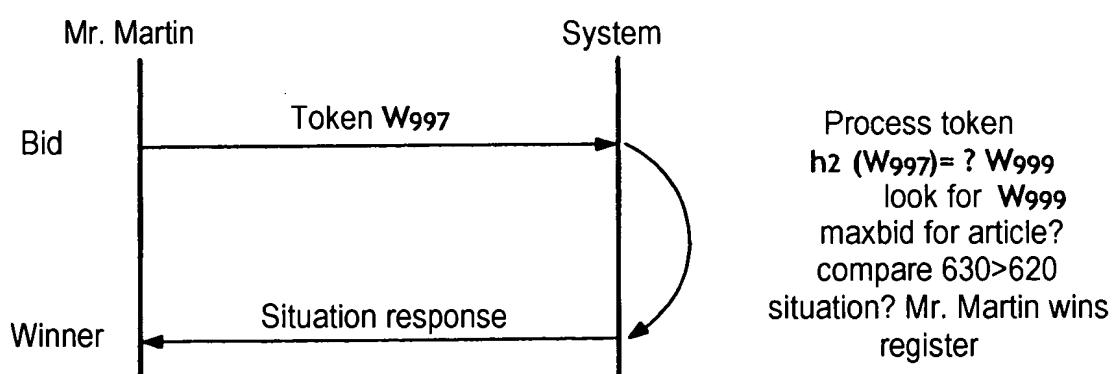


FIG.18

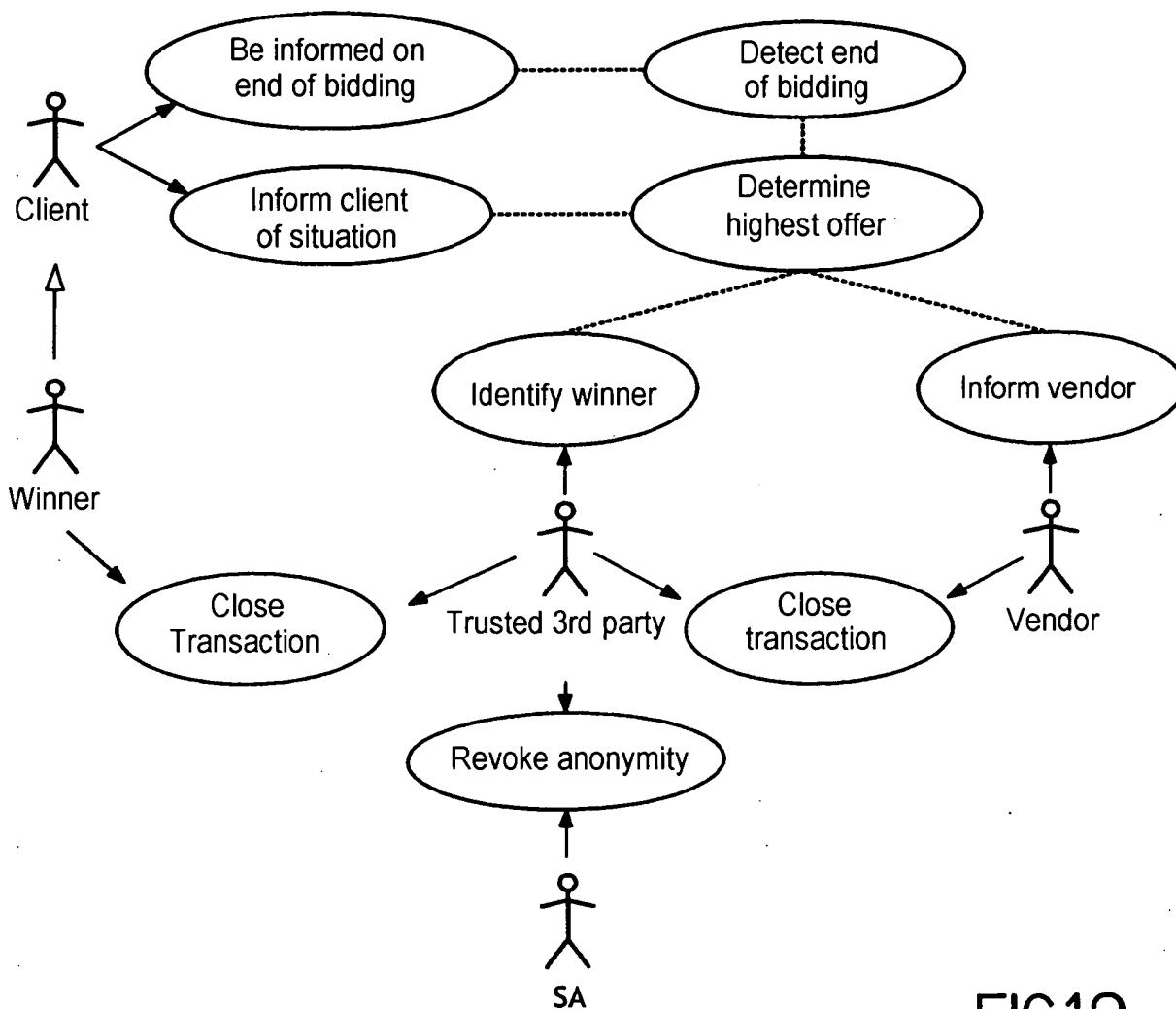


FIG.19

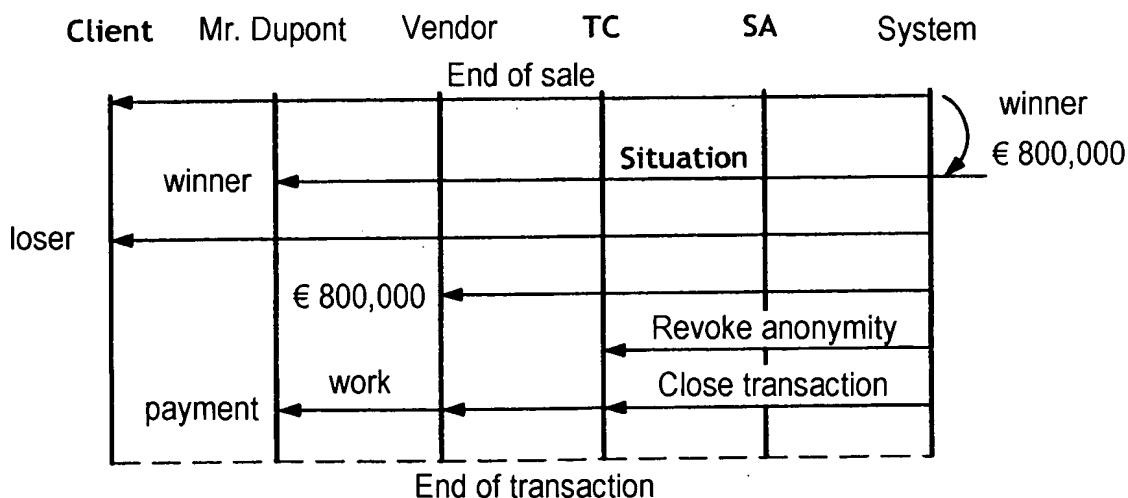


FIG.20

